

Living Environment Regents Review Book Answers

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1. 2
2. 2
3. 1
4. 3
5. 2
6. 1
7. 4
8. 1
9. 3
10. 2
11. 3
12. 2
13. 2
14. 4
15. So that the new bases will attach at the correct location (complement)
16. 2
17. 1
18. 1
19. 2
20. 1
21. 2
22. 1
23. 4
24. 3
25. 2
26. 4
27. 1
28. 1
29. 4
30. 1
31. A change in sequence may cause a change in amino acid sequence the gene codes for.
32. 2
33. Gene therapy, diagnosing/identifying gene mutations and disorders
34. 1
35. 2 False
36. 1 True
37. 1 True
38. 2 False
39. 2 False
40. 3
41. 40 C so 40 G so 20 remaining in double strand leaving 10 A and 10 T.
42. It wouldn't, would not have the correct amino acid to use as a building block for protein synthesis

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1. 1

2. 3
3. 1
4. 1
5. 1
6. 2
7. 3
8. 3
9. 1
10. 1
11. 1
12. Human insulin production through gene splicing
13. ring shaped pieces of DNA
14. ring shaped pieces of DNA from different organisms combined
15. Restriction enzymes
16. synthesis of human enzymes/proteins
17. Cell division copies the hybrid plasmids with each division
18. Exhibit the BT toxin (its expressed in the new variety)
19. Natural pesticide
20. Change occurred in the gamete
21. See graph
22. See graph
23. Increase in beta carotene causes a decrease in mutated cells
24. No, beta carotene is a form of vitamin A